

ABSTRACT OF THE DISCLOSURE

Chimeric proteins possessing Kunitz-type domain 1 of TFPI-2 and Kunitz-type domain 2 of TFPI are disclosed, as are muteins of TFPI and TFPI-2. Nucleic acid sequences, expression vectors and transformed host cells encoding and capable of producing the disclosed chimeric proteins and muteins are also disclosed. Finally, methods for prevention and treatment of septic shock using the chimeric proteins and muteins are disclosed.